



# Search Report

## EIC 3600

STIC Database Tracking Number: 280044

**To: Mr. John Pauls**  
**Location: KNX 05 D34**  
**Art Unit: 3686**  
**Date: 01/15/2010**  
**Case Serial Number: 10673980**

**From: Aaron Gitzen**  
**Location: EIC3600**  
**KNX 04 A70**  
**Phone: (571) 272-3096**  
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### Search Notes

Dear Examiner Pauls:

Please find attached the results of your search for the above-referenced case. The search was conducted in Dialog.

References of interest are listed in the first part of the search results. Please scan through the remaining results for other possible references of interest.

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

Aaron Gitzen

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## I. References of Interest

### A. Dialog

**Dialog eLink:** Order File History

16/3,K/26 (Item 26 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0006633517 *Drawing available*

WPI Acc no: 1994-010230/199402

XRPX Acc No: N1994-008226

**ID badge for personal locator, access control and asset tracking - has RF transmitter detected by units near telephone sets and communicating with database to redirect personal services or give access control**

Patent Assignee: NORTHERN TELECOM LTD (NELE)

Inventor: MUFTI S A; SAMUEL R G; SOONG P; SOONG P P K; WAKIM M J; YIP A M; YIP A M G

Patent Family ( 7 patents, 6 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 578374	A1	19940112	EP 1993304446	A	19930608	199402	B
CA 2091393	A	19931230	CA 2091393	A	19930310	199411	E
JP 6090481	A	19940329	JP 1993151402	A	19930528	199417	E
US 5363425	A	19941108	US 1992906192	A	19920629	199444	E
EP 578374	B1	19981202	EP 1993304446	A	19930608	199901	E
DE 69322323	E	19990114	DE 69322323	A	19930608	199908	E
			EP 1993304446	A	19930608		
CA 2091393	C	19990323	CA 2091393	A	19930310	199930	E

Priority Applications (no., kind, date): US 1992906192 A 19920629

**Alerting Abstract ...**The system for providing **personal location**, access control and **asset movement tracking** includes an **ID** badge interacting with the **telephone network**. The user carries the **ID** badge(10) which includes an RF transmitter identifying the user... ...A database(17) associated with the **telephone** network records data received from the **ID** badges. The database can be accessed by workstations(18) for **location** information. The **users personal telephone** services can be redirected to the nearest **telephone**. Original Publication Data by Authority Argentina **Publication No. Original Abstracts:** A system for providing a **personal location**, access control and **asset tracking** service using an **in-building telephone** network is disclosed. In a first embodiment, users of **ID** badges containing an RF transmitter can be located across the **telephone** network for receiving **incoming** calls. Receiver units in or near telephone sets instruct the system of the identity of... ... badge to allow or deny

access to the rooms or building. In a third embodiment, **ID tags** placed on **material assets** permit the system user to monitor the **movement and location** of specific material assets associated with that **ID tag**. The **ID tag** also contains an **RF transmitter** which is used to transmit an RF burst to receiver **units** located across the **telephone network**... .. A **system** for providing a **personal location**, access control and asset **tracking** service using an **in-building telephone network** is **disclosed**. In a first embodiment, users of **ID badges** containing an **RF transmitter** can be located across the **telephone network** for receiving incoming calls. Receiver units in or near telephone sets instruct the system... .. the **ID badge** wearer. Similar receiver units located at building and room entrances receive the **RF transmission** from the **ID badge** to allow or deny access to the rooms or building. In a third embodiment, **ID tags** placed on material assets permit the system user to monitor the movement and **location** of specific **material assets** associated with that **ID tag**. The **ID tag** also contains an **RF transmitter** which is used to transmit an RF burst to receiver **units** located across the telephone network.

Dialog eLink:

USPTO Full Text Retrieval Options

21/5,K/11 (Item 2 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

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0012492945 IP Accession No: 200911-71-1312171; 200911-61-1336696; 20091299422; A09-99-1776418

#### **Location detection system for a patient handling device**

Becker, David Terrance; MacDonald, Bruce L; Mroz, Joseph E; Hayes, Michael Joseph; Hopper, Christopher John; Mayoras Jr, Richard C; Stryker, Martin W; Shankar, Vivek; Dionne, Jean-Paul, USA

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

#### **Abstract:**

Location detection systems are provided for determining the **location** of **patient handling devices** in a healthcare facility. In one embodiment, the location detection system comprises a locator fixed in each zone of each room in the facility. The locator includes at least one infrared transmitter for transmitting a unique location **identifier** to a receiver mounted on the patient handling device. A communication module transmits the unique **location identifier** from the **patient handling device** to a **network** utilized by the healthcare facility for the management of patient, personnel, and **equipment** information. A processing station located on the network processes the unique location **identifier** to ultimately

determine the **room** and zone **location** of the **patient handling device**. The processing station may include a graphical user interface on a touch-screen display for reviewing and manipulating the location information.

**Descriptors:** **Position (location); Patients;** Materials handling; **Devices;** Handling; **Networks;** Locators; Stations; Health care; Transmission; Modules; Graphical user interface; Transmitters; Management; Receivers; Infrared; Reviewing; Personnel

**Subj Catg:** 71, General and Nonclassified; 61, Design Principles; 99, General

**Location detection system for a patient handling device**

**Abstract:**

Location detection **systems** are provided for determining the **location** of **patient handling devices** in a healthcare facility. In one embodiment, the location detection **system** comprises a locator fixed in each zone of each room in the facility. The locator includes at least one infrared transmitter for transmitting a unique location **identifier** to a receiver mounted on the patient handling **device**. A communication module transmits the unique **location identifier** from the **patient handling device** to a **network** utilized by the healthcare facility for the management of patient, personnel, and **equipment** information. A processing station located on the network processes the unique location **identifier** to ultimately determine the **room** and zone **location** of the **patient handling device**. The processing station may include a graphical user interface on a touch-screen display for...

**Descriptors:** **Position (location); Patients;** Materials handling; **Devices;** Handling; **Networks;** Locators; Stations; Health care; Transmission; Modules; Graphical user interface; Transmitters; Management; Receivers; Infrared; Reviewing; Personnel

**Identifiers:**

Dialog eLink:

**USPTO Full Text Retrieval Options**

21/5,K/15 (Item 6 from file: 23)

DIALOG(R)File 23; CSA Technology Research Database

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0010708257 IP Accession No: 200811-71-2124897; 200811-61-2227951; 20082066041; A08-99-2169539

**Method and apparatus for providing a personal locator, access control and asset tracking service using an in-building telephone network**

Mufti, Sohale A; Samuel, Robert G; Soong, Peter P K; Yip, Adrian M-G; Wakim, Michael J  
, USA

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

**Abstract:**

A **system** for providing a **personal location**, access control and asset **tracking** service using an in-building **telephone network** is disclosed. In a first embodiment, users of ID badges containing an RF transmitter can be located across the telephone network for receiving incoming calls. Receiver units in or near telephone sets instruct the system of the identity of the user located near the telephone set. In another embodiment, access to a building or rooms therein is controlled according to the identity of the ID badge wearer. Similar receiver units located at building and room entrances receive the RF transmission from the ID badge to allow or deny access to the rooms or building. In a third embodiment, ID tags **placed** on material **assets** permit the system **user** to monitor the movement and **location** of specific material assets associated with that ID tag. The ID tag also contains an RF transmitter which is used to transmit an RF burst to receiver units located across the telephone network.

**Descriptors:** Telephones; Networks; Radio frequencies; Receivers; Access control; Tracking; Telecommunications; Transmitters; Monitors; Entrances; Tags; Bursting; Locators

**Subj Catg:** 71, General and Nonclassified; 61, Design Principles; 99, General

**Abstract:**

A **system** for providing a **personal location**, access control and asset **tracking** service using an in-building **telephone network** is disclosed. In a first embodiment, users of ID badges containing an RF transmitter can... ..allow or deny access to the rooms or building. In a third embodiment, ID tags **placed** on material **assets** permit the system **user** to monitor the movement and **location** of specific material assets associated with that ID tag. The ID tag also contains an...

B. Additional Resources Searched

[Insert]

## II. Inventor Search Results from Dialog

File 20:Dialog Global Reporter 1997-2010/Jan 14  
 (c) 2010 Dialog  
 File 15:ABI/Inform(R) 1971-2010/Jan 14  
 (c) 2010 ProQuest Info&Learning  
 File 610:Business Wire 1999-2010/Jan 15  
 (c) 2010 Business Wire.  
 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business Wire  
 File 613:PR Newswire 1999-2010/Jan 15  
 (c) 2010 PR Newswire Association Inc  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc  
 File 634:San Jose Mercury Jun 1985-2009/Dec 31  
 (c) 2010 San Jose Mercury News  
 File 624:McGraw-Hill Publications 1985-2010/Jan 15  
 (c) 2010 McGraw-Hill Co. Inc  
 File 9:Business & Industry(R) Jul/1994-2010/Jan 14  
 (c) 2010 Gale/Cengage  
 File 275:Gale Group Computer DB(TM) 1983-2010/Dec 10  
 (c) 2010 Gale/Cengage  
 File 621:Gale Group New Prod.Annou.(R) 1985-2010/Dec 02  
 (c) 2010 Gale/Cengage  
 File 636:Gale Group Newsletter DB(TM) 1987-2010/Dec 16  
 (c) 2010 Gale/Cengage  
 File 16:Gale Group PROMT(R) 1990-2010/Jan 15  
 (c) 2010 Gale/Cengage  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2010/Jan 15  
 (c) 2010 Gale/Cengage  
 File 471:New York Times Fulltext 1980-2010/Jan 15  
 (c) 2010 The New York Times  
 File 149:TGG Health&Wellness DB(SM) 1976-2010/Nov W4  
 (c) 2010 Gale/Cengage  
 File 444:New England Journal of Med. 1985-2010/Jan W2  
 (c) 2010 Mass. Med. Soc.

Set	Items	Description
S1	40	AU=(WILDMAN, T? OR WILDMAN T? OR WILDMAN(2N)T?)
S2	310	AU=(RILEY, C? OR RILEY C? OR RILEY(2N)C?)
S3	7	AU=(MCNEELY, C? OR MCNEELY C? OR MCNEELY(2N)C?)
S4	9	AU=(FLECK, T? OR FLECK T? OR FLECK(2N)T?)
S5	0	AU=(GALLANT, D? OR GALLANT D? OR GALLANT(2N)D?)
S6	1	AU=(HUSTER, K? OR HUSTER K? OR HUSTER(2N)K?)
S7	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6

File 2:INSPEC 1898-2010/Jan W1  
 (c) 2010 The IET  
 File 35:Dissertation Abs Online 1861-2009/Nov  
 (c) 2009 ProQuest Info&Learning  
 File 65:Inside Conferences 1993-2010/Jan 15

(c) 2010 BLDSC all rts. reserv.  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Nov  
 (c) 2009 The HW Wilson Co.  
 File 474:New York Times Abs 1969-2010/Jan 11  
 (c) 2010 The New York Times  
 File 475:Wall Street Journal Abs 1973-2010/Jan 15  
 (c) 2010 The New York Times  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
 (c) 2002 Gale/Cengage  
 File 256:TecTrends 1982-2010/Jan W2  
 (c) 2010 Info.Sources Inc. All rights res.  
 File 23:CSA Technology Research Database 1963-2009/Nov  
 (c) 2009 CSA.  
 File 7:Social SciSearch(R) 1972-2010/Jan W2  
 (c) 2010 The Thomson Corp  
 File 34:SciSearch(R) Cited Ref Sci 1990-2010/Jan W2  
 (c) 2010 The Thomson Corp  
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 (c) 2006 The Thomson Corp  
 File 5:Biosis Previews(R) 1926-2010/Jan W2  
 (c) 2010 The Thomson Corporation  
 File 73:EMBASE 1974-2010/Jan 15  
 (c) 2010 Elsevier B.V.  
 File 155:MEDLINE(R) 1950-2009/Dec 09  
 (c) format only 2009 Dialog

Set	Items	Description
S1	150	AU=(WILDMAN, T? OR WILDMAN T? OR WILDMAN(2N)T?)
S2	2469	AU=(RILEY, C? OR RILEY C? OR RILEY(2N)C?)
S3	127	AU=(MCNEELY, C? OR MCNEELY C? OR MCNEELY(2N)C?)
S4	352	AU=(FLECK, T? OR FLECK T? OR FLECK(2N)T?)
S5	1	AU=(GALLANT, D? OR GALLANT D? OR GALLANT(2N)D?)
S6	96	AU=(HUSTER, K? OR HUSTER K? OR HUSTER(2N)K?)
S7	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6

File 348:EUROPEAN PATENTS 1978-201002  
 (c) 2010 European Patent Office  
 File 349:PCT FULLTEXT 1979-2010/UB=20100107|UT=20091231  
 (c) 2010 WIPO/Thomson  
 File 324:GERMAN PATENTS FULLTEXT 1967-201001  
 (c) 2010 UNIVENTIO/THOMSON

Set	Items	Description
S1	27	AU=(WILDMAN, T? OR WILDMAN T? OR WILDMAN(2N)T?)
S2	114	AU=(RILEY, C? OR RILEY C? OR RILEY(2N)C?)
S3	9	AU=(MCNEELY, C? OR MCNEELY C? OR MCNEELY(2N)C?)
S4	23	AU=(FLECK, T? OR FLECK T? OR FLECK(2N)T?)
S5	0	AU=(GALLANT, D? OR GALLANT D? OR GALLANT(2N)D?)
S6	26	AU=(HUSTER, K? OR HUSTER K? OR HUSTER(2N)K?)
S7	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6

File 350:Derwent WPIX 1963-2009/UD=201003  
 (c) 2010 Thomson Reuters  
 File 347:JAPIO Dec 1976-2009/Sep(Updated 091230)  
 (c) 2010 JPO & JAPIO



Set	Items	Description
S1	78	AU=(RILEY, C? OR RILEY C? OR RILEY(2N)C?)
S2	14	AU=(MCNEELY, C? OR MCNEELY C? OR MCNEELY(2N)C?)
S3	20	AU=(FLECK, T? OR FLECK T? OR FLECK(2N)T?)
S4	0	AU(GALLANT, D? OR GALLANT D? OR GALLANT(2N)D?)
S5	26	AU=(HUSTER, K? OR HUSTER K? OR HUSTER(2N)K?)
S6	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6

### III. Text Search Results from Dialog

#### A. Patent Files, Abstract

File 350:Derwent WPIX 1963-2009/UD=201003  
(c) 2010 Thomson Reuters  
File 347:JAPIO Dec 1976-2009/Sep(Updated 091230)  
(c) 2010 JPO & JAPIO  
File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

Set	Items	Description
S1	143036	(PATIENT? ? OR PATRON? ? OR OUTPATIENT? ? OR INPATIENT? ? OR PERSON? ? OR INVALID? ? OR CASUALTY??? OR USER? ?)(3N)(LOCATION?? OR AREA? ? OR ROOM? ? OR FLOOR? ? OR PLACE? ? OR LOCALIT??? OR DESTINATION? ? OR PLACE? ? OR POSITION?)
S2	15623	S1(16N)(TAG OR TAGS OR TAGG??? OR LABEL??? OR IDENTIFY??? OR IDENTIFIER? ? OR NUMBER??? OR NUMERIC? OR ALPHANUMERIC? OR CODE? ? OR CODING? ? OR TRACE? ? OR TRACING? ? OR TRACK??? OR FLAG? ? OR ID OR IDS OR RFID? ?)
S3	5379	S2(16N)(ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR PROPERTY??? OR TOOL? ? OR INVENTOR??? OR APPT? ? OR APPARATUS? OR MACHIN? OR INSTRUMENT? OR ITEM? ? OR UNIT? ? OR ACCESS()POINT? ?)
S4	38228	(S1 OR S2)(16N)(DEVICE? ? OR APPARATUS?? OR PDA? ? OR PERSONAL()DIGITAL()ASSISTANT? ? OR SMARTPHONE? ? OR PHONE? ? OR CELL?()PHONE? ? OR TELEPHONE? ? OR MICROCOMPUTER? ? OR MICROPROCESSOR? ? OR NOTEBOOK? ? OR NOTEPAD? ? OR PALM? ? OR ORGANIZER? ? OR PAGER? ? OR LAPTOP? ? OR TABLET()COMPUTER? ?)
S5	37840	S1(20N)(SERVER? ? OR NETWORK? ? OR HUB? ? OR MAINFRAME? ? OR MAIN()FRAME? ? OR GATEWAY? ? OR HOST??? OR FILESERVER? OR WEBSERVER? ? OR SYSTEM? ? OR PROCESS?R? ?)
S6	4738	S1(20N)(DATABASE? ? OR DATABANK? ? OR DATATABL? ? OR DATASET? ? OR DATAFILE? ? OR KNOWLEDGEBASE? ? OR RDEM OR DEMS OR RDB OR DB OR DBS OR OODS OR ODBC OR (DATA OR KNOWLEDGE OR CENTRAL OR INFORMATION)() (BASE? ? OR BANK? ? OR FILE? ? SET? ? OR TABLE? ?))
S7	6628	(PATIENT? ? OR PATRON? ? OR USER? ?)(3N)(LOCATION?? OR ROOM? ? OR FLOOR? ? OR PLACE? ?)(3N)(ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR MACHIN?)
S8	15623	S1 AND S2
S9	5379	S8 AND S3
S10	3745	S9 AND S4
S11	1731	S10 AND S5
S12	199	S11 AND S6
S13	67	S12 AND S7
S14	28	S13 NOT AY>2003
S15	28	IDPAT (sorted in duplicate/non-duplicate order)
S16	28	IDPAT (primary/non-duplicate records only)

Dialog eLink: [Order File History](#)  
16/3,K/1 (Item 1 from file: 350)

0017801253 *Drawing available*  
WPI Acc no: 2008-G21709/200839  
Related WPI Acc No: 2008-M12054  
XRPX Acc No: N2008-485115

**Database searching method for use in information retrieval system, involves generating search query for items of interest only within certain geographical proximity of previous geographical location identified by user**

Patent Assignee: AT & T DELAWARE INTELLECTUAL PROPERTY IN (AMTT)  
Inventor: ANDERSON D J; BUSAYAPONGCHAI S

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 7376640	B1	20080520	US 2000710955	A	20001114	200839	B

Priority Applications (no., kind, date): US 2000710955 A 20001114

...generating search query for items of interest only within certain geographical proximity of previous geographical location identified by user **Original Titles:** Method and system for searching an information retrieval system according to user-specified location information **Alerting Abstract** ...items of interest is generated only within a certain geographical proximity of the previous geographical location identified by the user. ...ADVANTAGE - The method effectively searches the information retrieval system according to user-specified location information for narrowing the scope of the database search... **Original Publication Data by Authority ArgentinaPublication No. Original Abstracts:**A method and system for searching an information retrieval system for items of interest that are in proximity to geographical locations provided by the user. The information retrieval system can perform a search for specified types of businesses or items of interest that surround or are in close proximity to the user's present geographical location, or a geographical location that the user has pre-configured in a database. The system receives geographical location information concerning the user's position from the wireless network carrier, which tracks the location of the user's mobile communications device. When the user desires to store a geographical location and geographical name for a future... **Claims:** What is claimed is:1. A method for searching a database in an information retrieval system according to user-identified geographical location information using a mobile communications device operating on a wireless network, comprising: creating a database for storing at least geographical location information for each of a plurality of items of... ... for a desired geographical location remote from the present geographic location of the mobile communications device; receiving geographical location information corresponding to the present geographical location of a user's communications device; comparing the present location with the desired location;if the desired location is different from the present location, confirming the desired location with the user of the wireless communications device; and storing in a database the desired location and the provided location name, for subsequent access by the user; receiving a search request from the user; detecting whether the request is to search the database for items of interest located in a vicinity of the present geographical location of the user's communications device or of a different geographical location identified by the

user and being a previous geographical location of the user's mobile communications device, wherein information regarding the previous geographical location is pre-configured by the user at a... .. query for items of interest only within a certain geographical proximity of the previous geographical location identified by the user.>

Dialog eLink: [Order File History](#)

16/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0013854645 *Drawing available*

WPI Acc no: 2004-032944/200403

XRPX Acc No: N2004-026042

**Location tracking method, involves determining location of object, person or animal, and indicating location to user based on location information received by hand-held device**

Patent Assignee: LAM W H (LAMW-I); TSUI J L Y (TSUI-I)

Inventor: LAM W H; TSUI J L Y

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030214403	A1	20031120	US 2002381317	P	20020520	200403	B
			US 2003249865	A	20030514		

Priority Applications (no., kind, date): US 2002381317 P 20020520; US 2003249865 A 20030514

**Location tracking method, involves determining location of object, person or animal, and indicating location to user based on location information received by hand-held device**  
**Alerting Abstract** ...**NOVELTY** - The method involves determining a location of an object, person or animal, and indicating the location to a user based on the location information received by a hand-held device (1). The handheld device generates a directional signal representing a particular direction to transmit to a base station (2... **DESCRIPTION** - An **INDEPENDENT CLAIM** is also included for a system of indicating location of an object, person or animal... ..**USE** - Used for tracking location of an object, person or animal... ..**ADVANTAGE** - The method effectively determines and indicates the location of the object, person or animal such that the operator is able to easily find the object, person or... Original Publication Data by Authority Argentina **Publication No. ...Original Abstracts:** hand-held location, and then it transmits the location information back to the hand-held device. A hand-held device receives the location information and then indicates the location of the object to the users. The location indicator system can be used to determine a location of slow movement or a stationary object, person, and animal. The system is suitable for indoor and outdoor use. It is a cost effective and efficient device.  
**Claims:** 1. A method of tracking a location of an object, person or animal including the technique of determining the location of an object, person or animal and indicating the location of an object,

person or animal based on the location information received in hand-held device.

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16/3,K/12 (Item 12 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0012922898 *Drawing available*

WPI Acc no: 2002-715340/200278

Related WPI Acc No: 2002-536860; 2003-504115; 2004-533055; 2005-656973; 2009-J54580

**Controlled distribution of specified information in information providing system, involves sending identification, which can be used to access specified information, to each information customer**

Patent Assignee: BULKIN V (BULK-I); CHOI J (CHOI-I); COSTAR GROUP INC (COST-N); FLORANCE A (FLOR-I); FOSTER B (FOST-I); GLICK M (GLIC-I); HAMLIN H (HAML-I); NEWMISTER M (NEWM-I); SCHAFFEL D (SCHA-I); STROMAN R (STRO-I); VIOLAGIS C (VIOL-I)

Inventor: BULKIN V; CHOI J; FLORANCE A; FOSTER B; GLICK M; HAMLIN H; NEWMISTER M; SCHAFFEL D; STROMAN R; VIOLAGIS C

Priority Applications (no., kind, date): US 2000185066 P 20000225; US 2000185392 P 20000228; US 2000194700 P 20000405; US 2000229527 P 20000905; US 2000693988 A 20001023; US 2003455436 A 20030606; US 2003455498 A 20030606

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**What is claimed is:1. A system for correlating information stored in a remote database with a user's location, retrieving pertinent data files from the database based upon the user's location, and automatically transmitting the selected data files to the user, the system comprising:user equipment sets, each user equipment set comprising a display and a location determining device for generating data pertaining to the user's location and for transmitting the data pertaining to the user's location to a remote computer automatically;a computer, the computer equipped for wireless communication with geographically... users that are equipped with the equipment sets so as to send data to the equipment sets and receive data from the equipment sets including the data pertaining to the user's location; anda database in communication with the computer, the database storing information that includes information identifying a location of a property and features of the property;whereby, in response to receipt of the data pertaining to a user's location, the computer automatically:identifies in the database, from the information identifying a location of a property, a property nearby the user's location,retrieves from the database the features of the nearby property, and an identification of features of the property that have not been entered into the...

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 16/3,K/13 (Item 13 from file: 350)  
 DIALOG(R)File 350: Derwent WPIX  
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0011210442

WPI Acc no: 2002-149263/200220

XRPX Acc No: N2002-113125

**Arrangement for monitoring and determining position of mobile patients with aid of GSM system**  
 Patent Assignee: BEETZ K (BEET-I); BIOTRONIK MESS & THERAPIEGERAETE GMBH (BIOT-N); KRAUS M (KRAU-I); LANG B (LANG-I); LANG M (LANG-I); NAGELSCHMIDT A (NAGE-I); NEUDECKER J (NEUD-I); POTSCHADTKE J (POTS-I)

Inventor: BEETZ K; KRAUS M; LANG B; LANG M; NAGELSCHMIDT A; NEUDECKER J; POTSCHADTKE J

Patent Family ( 7 patents, 27 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1127535	A2	20010829	EP 2001102936	A	20010208	200220	B
DE 10008917	A1	20010830	DE 10008917	A	20000225	200220	E
US 20010029321	A1	20011011	US 2001792026	A	20010226	200220	E
US 6544171	B2	20030408	US 2001792026	A	20010226	200327	E
EP 1127535	B1	20040623	EP 2001102936	A	20010208	200442	E
DE 50102649	G	20040729	DE 50102649	A	20010208	200452	E
			EP 2001102936	A	20010208		
EP 1127535	B8	20060614				200643	E

Priority Applications (no., kind, date): DE 10008917 A 20000225; EP 2001102936 A 20010208

Original Publication Data by Authority Argentina **Publication No. ...Original Abstracts:** transmitter (300) that sends out a direction-finding signal is provided in the mobile radiotelephone end unit (7). A separate direction-finding device (310) serves for the fine tracking of the direction-finding signal. ...**Claims:** is provided and a rough locator unit (12) for the rough determination of a patient's current location based on rough positioning information obtained from the current base station connection of the mobile radio end unit in the mobile telephony network, characterized by a fine locator unit incorporating a direction-finding transmitter (300) in the mobile radiotelephone end unit (7, 700) and a separate direction-finder device (310) for fine tracking of the direction-finding signal, and thus of the mobile radiotelephone end unit (7, 700), after the rough location determination, wherein the direction-finding transmitter (300) that transmits a direction-finding ... 13) is provided and a rough locator unit (12) for a rough determination of a patient's current location based on rough positioning information obtained from a current base station connection of the mobile radio end unit in the mobile radiotelephony... ... What is claimed is: 1. A system (1) for patient monitoring comprising: at least one body sensor (2a) for detecting a physiological parameter; p1 at least one body signal processing unit (3;

204, 206) connected with the body sensor (2a) and a therapy device (2; 2prime) adapted to act one a patient (P); a central monitoring station (1C) being... coordinates of base stations (8.1; 8.2; 8.3) of the cellular mobile radiotelephone network (1B); a rough locator unit (12) in the central monitoring station (1C) for a rough determination of a patient's current location based on rough positioning information obtained from said base station coordinates of a current base station connection ... separate, portable direction-finding receiver (310) for fine tracking of said direction-finding signal and fine locating the mobile radiotelephone terminal unit (7, 700) after the rough location determination, wherein the direction-finding transmitter (300) that transmits a direction-finding signal is formed by a transmitter part of the mobile radio terminal unit (7, 700) itself, wherein the direction-finding receiver is formed

Dialog eLink: [Order File History](#)

16/3,K/20 (Item 20 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0010044215 *Drawing available*

WPI Acc no: 2000-349382/200030

Related WPI Acc No: 2002-499005; 2003-428647; 2003-895997

XRPX Acc No: N2000-261746

**Control system for interactive programmable fitness equipment, derives control information from database, according to user identification data and transmits it to controller which controls fitness equipment**

Patent Assignee: CLEM W (CLEM-I)

Inventor: CLEM W

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6053844	A	20000425	US 1998156336	A	19980918	200030	B

Priority Applications (no., kind, date): US 1998156336 A 19980918

**Alerting Abstract ...NOVELTY** - The system comprises a sensor at user location which transmits user identification data to an automated control location through a communication system. In response, a control information is automatically derived from database, by the control location, based on user data, and then transmitted to the controller which controls the fitness equipment. Original Publication Data by Authority Argentina **Publication No. Original Abstracts** :An exercise system including an exercise device at a user location includes a controller at the user location... exercise device and the control location are provided. A sensor at the user location determines user location information and applies the user location information to the communication system for transmission to the control location. Control information is applied to the communication system by the control location in response to the user

**location** information for transmission to the controller to control the exercise **device** according to the control information. Thus, the present invention is an interactive fitness **system** for permitting a user of a programmable exercise **device** to interact with a fitness server **device** while the **user** is in a **location** remote from the fitness server **device**. For example, the user can interact with the fitness server **device** from the home of the user. Using the system of the present invention the user... **Claims:** An exercise **system** including an exercise device at a user location, comprising: a controller at the user location... .. exercise device and the automated control location; a sensor at the user location for determining **user** identifying information and applying the **user identifying** information to the communication **system** for transmission to the automated control **location**; and control **information** applied to the communication **system** by the automated control **location** in response to the **user identifying information** for transmission to the **controller** to control the exercise **device** according to the control information, wherein the control information is automatically **derived** by the automated control location from a database derived at the automated control **location** based on the **user identifying** information.

Dialog eLink: [Order File History](#)  
16/3,K/25 (Item 25 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0007021418 *Drawing available*  
WPI Acc no: 1995-036715/199505  
XRPX Acc No: N1995-028880

**Computer system with processor and memory for interaction with user - has log in command identifying user with default place object displayed based on stored profile information to define workspace with shelf for temporary storage**

Patent Assignee: OBJECT TECHNOLOGY LICENSING CORP (OBJE-N); TALIGENT INC (TALI-N)

Inventor: DICKINSON R D

Priority Applications (no., kind, date): US 199371837 A 19930603; US 1995573734 A 19951218

Original Publication Data by Authority Argentina **Publication No.** ...**Claims:** 1. A method for displaying objects representing physical **locations** and persons and for interacting between the objects, said method using a computer system including a memory (14, **16**), processing means (10) coupled to the memory, entry means (24, 26, **32**) coupled to the processing means, and a display device (38) coupled to the processing means... .. a data structure for holding view data information; the person classes having means for generating on the display a representation (504) of the user represented by the person object; (b) storing information defining a plurality of **user** selectable **place** classes in the memory, each of the plurality of **place** classes having means for generating on the display an image representing a different predetermined physical location, workspace graphic data and a data structure for storing user profile information (402, 404, 406, 408, 410); (c) **receiving a user identifier** associated with a user from the entry means in response to a user log-in... .. initiating a person object from the person class for the user identified by the user **identifier** (820-850); (e) selecting one of the **predefined place** classes based on



user profile information in the person object and instantiating a place object from the selected place class (860-870); (f) storing profile information specific to the user in the data structure of the instantiated place object (1020); (g) displaying the place object view data to generate a view of the predetermined physical location associated with the user; (h) displaying within the displayed place object the person object view data of the user identified by the user identifier; (i) displaying a workspace graphic associated with the predetermined physical location (402-410); (j) displaying, in the workspace, a graphic representing a plurality of workspace objects identified by the person object (500); and (k) opening and interacting between displayed workspace ... storing in the memory a person class containing profile information for each user of the computer system; (b) storing a plurality of user selectable place classes in the memory, each of the plurality of place classes having view data for generating a display representing a different predetermined physical location, workspace graphic data and a data structure for storing user profile information; (c) receiving a user identifier associated with a user from the entry means in response to a user log-in request graphic generated by the processing means and displayed on the display device; (d) instantiating a person object from the person class for the user with the... .. pre-defined place classes based on user profile information in the person object and instantiating a place object from the selected place class; (f) storing profile information specific to the user in a data structure of the type specified by the place class from which the place object is instantiated; (g) displaying on the display device the place object view data to generate a view of the predetermined physical location; (h) displaying... .. and (i) displaying, in the workspace, workspace graphic data representing a first workspace object in the one pre-defined place class selected based on user profile information in the person object.

## B. Patent Files, Full-Text

File 348:EUROPEAN PATENTS 1978-201002

(c) 2010 European Patent Office

File 349:PCT FULLTEXT 1979-2010/UB=20100107|UT=20091231

(c) 2010 WIPO/Thomson

File 324:GERMAN PATENTS FULLTEXT 1967-201001

(c) 2010 UNIVENTIO/THOMSON

Set	Items	Description
S1	209445	(PATIENT? ? OR PATRON? ? OR OUTPATIENT? ? OR INPATIENT? ? OR PERSON?? OR INVALID? ? OR CASUALT??? OR USER? ?) (3N) (LOCATION?? OR AREA? ? OR ROOM? ? OR FLOOR? ? OR PLACE? ? OR LOCALIT??? OR DESTINATION? ? OR PLACE? ? OR POSITION?)
S2	30463	S1(16N) (TAG OR TAGS OR TAGG??? OR LABEL??? OR IDENTIFY??? OR IDENTIFIER? ? OR NUMBER??? OR NUMERIC? OR ALPHANUMERIC? OR CODE? ? OR CODING? ? OR TRACE? ? OR TRACING? ? OR TRACK??? OR FLAG? ? OR ID OR IDS OR RFID ?)
S3	9519	S2(16N) (ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR PROPERTY?? OR TOOL? ? OR INVENTOR??? OR APPT? ? OR APPARATUS? OR MACHIN? OR INSTRUMENT? OR ITEM? ? OR UNIT? ? OR ACCESS()POINT? ?)

S4 52909 (S1 OR S2) (16N) (DEVICE? ? OR APPARATUS?? OR PDA? ? OR PERSONAL() DIGITAL() ASSISTANT? ? OR SMARTPHONE? ? OR PHONE? ? OR CELL?() PHONE? ? OR TELEPHONE? ? OR MICROCOMPUTER? ? OR MICROPROCESSOR? ? OR NOTEBOOK? ? OR NOTEPAD? ? OR PALM? ? OR ORGANIZER? ? OR PAGER? ? OR LAPTOP? ? OR TABLET() COMPUTER? ?)

S5 58365 S1(20N) (SERVER? ? OR NETWORK? ? OR HUB? ? OR MAINFRAME? ? OR MAIN() FRAME? ? OR GATEWAY? ? OR HOST??? OR FILESERVER? ? OR WEBSEVER? ? OR SYSTEM? ? OR PROCESSOR? ?)

S6 6771 S1(20N) (DATABASE? ? OR DATABANK? ? OR DATATABLE? ? OR DATASET? ? OR DATAFILE? ? OR KNOWLEDGEBASE? ? OR RDBMS OR DBMS OR RDB OR DB OR DBS OR OODS OR ODBC OR (DATA OR KNOWLEDGE OR CENTRAL OR INFORMATION) () (BASE? ? OR BANK? ? OR FILE? ? SET? ? OR TABLE? ?))

S7 14823 (PATIENT? ? OR PATRON? ? OR USER? ?) (3N) (LOCATION?? OR ROOM? ? OR FLOOR? ? OR PLACE? ?) (3N) (ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR MACHIN?)

S8 30463 S1(5N) S2

S9 9519 S8(5N) S3

S10 6096 S9(5N) S4

S11 6110 S9(20N) S4

S12 2410 S11(5N) S5

S13 2422 S11(20N) S5

S14 225 S13(5N) S6

S15 99 S14(5N) ((WIRELESS?? OR ROAM??? OR WIRE??) (2N) (ROAM??? OR DEVICE? ? OR ACCESS? ? OR TRANSCIVER? ? OR LINK???) OR CABLELESS?? OR CABLE() FREE??? OR CORDLESS??? OR UN() TETHER??? OR UNTETHER??? OR MOBIL?)

S16 52 S15(5N) S7

S17 17 S16 NOT AY>2003

S18 37 S15 NOT AY>2003

S19 37 S17 OR S18

**Dialog eLink:** [Order File History](#)

DIALOG(R)File 348: EUROPEAN PATENTS

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19/3K/3 (Item 3 from file: 348)

01685417

### System and method of accessing and recording messages at coordinate way points

System und Verfahren zum Zugriff und zur Aufnahme von Nachrichten an Bewegungs-Koordinatenpunkten

Systeme et procede pour l'accès et l'enregistrement de messages en des points de coordonnées de reference

### Patent Assignee:

- **Xybernaut Corporation** (2204370)  
Hyatt Plaza, Suite 550, 12701 Fair Lakes Circle; Fairfax, Virginia 22033 (US)  
(Applicant designated States: all)

### Inventor:

- **Jenkins, Michael D**  
6507 Burke Woods Dr.; Burke, VA 22015; (US)
- **Mancini, Phillip D.**  
5615 Gosling Dr.; Clifton, VA 20124; (US)

**Legal Representative:**

- **Borchert, Uwe Rudolf et al (75221)**  
Puschmann & Borchert Patentanwälte European Patent Attorneys Postfach 10 12 31; 80086 München; (DE)

	Country	Number	Kind	Date	
Patent	EP	1383347	A2	20040121	(Basic)
	EP	1383347	A3	20060726	
Application	EP	2003015580		20030711	
Priorities	US	195952		20020716	

**Specification:** ...the message or if a list of persons, characterized by the unique number of their **Device**, can access the message. If the former, a message will appear on the Device of... ..by maintaining two separate databases. When the Device or network calculates the location of a **user**, a closest **grid number** is assigned. Each wireless network can be divided into grids. A closest fit algorithm can... ..grid numbers only. In this fashion, a grid number is sent out with the outgoing **Device** signal, rather than a location. The system merely matches **grid numbers** with messages so the system is not directly **tracking the location of a user**. It is merely providing content which is tied to a **code** that is correlated to a location. This may also expedite implementation, by providing a standard...

**Dialog eLink:** [Order File History](#)

DIALOG(R)File 348: EUROPEAN PATENTS  
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19/3K/5 (Item 5 from file: 348)  
01367297

**METHOD AND SYSTEM FOR ESTABLISHING A COMMUNICATION BETWEEN A FIRST AND A SECOND COMMUNICATION ENTITY**  
VERFAHREN UND SYSTEM ZUM KOMMUNIKATIONSaufbau ZWISCHEN EINER ERSTEN UND EINER ZWEITEN KOMMUNIKATIONSEINHEIT  
PROCEDE ET SYSTEME D'ETABLISSEMENT DE COMMUNICATION ENTRE UNE PREMIERE ET UNE SECONDE ENTITE DE COMMUNICATION

**Patent Assignee:**

- **Nokia Corporation** (3988870)  
Keilalahdentie 4; 02150 Espoo (FI)  
(Proprietor designated states: all)

**Inventor:**

- **IVANOV, Nedko**  
23 Twisell Thorne, Church Crookham,; Fleet Hampshire, GU52 0YT England; (GB)
- **KISS, Krisztian**  
Bimbo ut 126; H-1026 Budapest; (HU)
- **BERTENYI, Balazs**  
Nagyszalonta Utca 6; H-1118 Budapest; (HU)

**Legal Representative:**

- **TBK-Patent (102381)**  
Bavariaring 4-6; 80336 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1279269	A1	20030129	(Basic)
	EP	1279269	B1	20061102	
	WO	2001080526		20011025	
Application	EP	2000929371		20000417	
	WO	2000EP3477		20000417	

**Specification:** ...also contains routing numbers for indicating proper routing information to trace a ported or temporarily **roaming** subscriber equipment.

The database 6 contains a look-up table storing the national phone **numbers** and the assigned IP addresses of a **network control device** being able to locate the exact **position** of the **user equipment**. In this example, the IP address of the main user mobility server (M-UMS) 12 is stored in **database 6** in correlation to the phone number indicated in the query. This IP address is...

Dialog eLink: [Order File History](#)

DIALOG(R)File 348: EUROPEAN PATENTS  
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19/3K/7 (Item 7 from file: 348)  
00791621

**System for location of communication end users**

Standortbestimmungssystem für Endteilnehmer

Système de localisation d'utilisateurs

**Patent Assignee:**

- **International Business Machines Corporation (200120)**  
Old Orchard Road; Armonk, N.Y. 10504 (US)  
(Applicant designated States: all)

**Inventor:**

- **Dunn, James M.**  
33 Ixora Way; Ocean Ridge, Florida 33435; (US)

**Legal Representative:**

- **Jennings, Michael John (80331)**  
IBM United Kingdom Limited, Intellectual Property Department, Hursley Park; Winchester,  
Hampshire SO21 2JN; (GB)

	Country	Number	Kind	Date
Patent	EP	738095	A2	19961016 (Basic)
	EP	738095	A3	19990825
Application	EP	96302506		19960410
Priorities	US	421054		19950412

**Specification:** ...tracking users is not known.

Another requirement of the instant invention is that the physical **network** report the RSU 50 and user identification (ID) and location information to the closest or... ..IDs with the target phone number dialed. The LSO's, however, may perform the phone **number** and **ID** conversions before responding to whether they have the target **device** and **user** in their coverage **area**. The LSO and RSP may also decide whether the SU 50-69 is compatible for...controlling LSO 22 of the control exchange area is updated with the user and RSU **ID**'s and location. The LSO 22, or the controlling target LSO, records the **location** of the target **user** and the target **device** identification information. The target LSO 22 does not

propagate this information to any other network... ..the second phase, when the RSU 50 user logs on to the current network, the **device, location and user ID's** are transmitted to the controlling LSO 22 which notifies its controlling RSP 25. The...

**Dialog eLink:** [Order File History](#)

19/3K/11 (Item 2 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01130822

## **LOCATION TRACKING OF PORTABLE DEVICES IN A WIRELESS NETWORK** **LOCALISATION DE DISPOSITIFS PORTABLES DANS UN RESEAU SANS FIL**

### **Patent Applicant/Patent Assignee:**

- **KONINKLIJKE PHILIPS ELECTRONICS N V**  
Groenewoudseweg 1, NL-5621 BA Eindhoven; NL; NL(Residence); NL(Nationality); (For all designated states except: US)

### **Patent Applicant/Inventor:**

- **SIMONS Paul R**  
c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA; GB; GB(Residence); GB(Nationality); (Designated only for: US)
- **GOUGH Paul A**  
c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA; GB; GB(Residence); GB(Nationality); (Designated only for: US)
- **PENNA David E**  
c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA; GB; GB(Residence); GB(Nationality); (Designated only for: US)

### **Legal Representative:**

- **WHITE Andrew G (agent)**  
Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA; GB

	Country	Number	Kind	Date
Patent	WO	200454304	A1	20040624
Application	WO	2003IB5347		20031121
Priorities	GB	200228807		20021211

### Detailed Description:

...It is therefore an object of the present invention to provide a method  
3o and system for **tracking the location** of a **user's portable device** in a wireless infrastructure.

#### Summary of Invention

According to a first aspect of the ... ..anonymity since any user information relating to the user (e.g. name, address, credit card **number** etc) bears no relation to unique radio **device identifiers** unless explicitly linked.

**Users** who consent to **location tracking** and register with the **database**  
may receive free access to the **database** and may also control access to the **database** for other interested parties. In the above scenario, the infrastructure is located in a shopping...

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19/3K/36 (Item 27 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00567156

### WORLD WIDE PATIENT LOCATION AND DATA TELEMETRY SYSTEM FOR IMPLANTABLE MEDICAL DEVICES

SYSTEME DE LOCALISATION MONDIALE D'UN PATIENT ET DE TELESURVEILLANCE DE  
DONNEES POUR DISPOSITIFS MEDICAUX IMPLANTABLES

#### Patent Applicant/Patent Assignee:

- **MEDTRONIC INC**  
7000 Central Avenue Northeast, Minneapolis, MN 55432; US; US(Residence); US(Nationality)

#### Inventor(s):

- **THOMPSON David L**  
1660 Onodago Street, Fridley, MN 55432; US

#### Legal Representative:

- **ATLASS Michael B(et al)(agent)**  
Medtronic, Inc. MS301, 7000 Central Avenue Northeast, Minneapolis, MN 55432; US

	Country	Number	Kind	Date
Patent	WO	200030529	A1	20000602
Application	WO	99US26390		19991109
Priorities	US	98198623		19981124

### Detailed Description:

...telemetry transceiver for receiving and transmitting coded communications between the system controller and the implant **device** telemetry transceiver, a global positioning system coupled to said system controller for providing positioning data **identifying** the global **position** of the **patient** to the system controller; communications means for communicating with the remote medical support network; and...complete transparency to the patient (or alternatively, voice or warning signals may be used to **identify** impending programming).

Interactions with the implanted **device** and patient may be totally transparent to the **patient**, e.g., routine **location** checks to determine if the patient is in proximity sufficiently with the patient communications **device** to interrogate the implanted device or for follow-up data collection from the implanted device...



#### IV. Text Search Results from Dialog

##### A. NPL Files, Abstract

File 2:INSPEC 1898-2010/Jan W1  
(c) 2010 The IET  
File 35:Dissertation Abs Online 1861-2009/Nov  
(c) 2009 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2010/Jan 15  
(c) 2010 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Nov  
(c) 2009 The HW Wilson Co.  
File 474:New York Times Abs 1969-2010/Jan 11  
(c) 2010 The New York Times  
File 475:Wall Street Journal Abs 1973-2010/Jan 15  
(c) 2010 The New York Times  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 Gale/Cengage  
File 256:TecTrends 1982-2010/Jan W2  
(c) 2010 Info.Sources Inc. All rights res.  
File 23:CSA Technology Research Database 1963-2009/Nov  
(c) 2009 CSA.  
File 7:Social SciSearch(R) 1972-2010/Jan W2  
(c) 2010 The Thomson Corp  
File 34:SciSearch(R) Cited Ref Sci 1990-2010/Jan W2  
(c) 2010 The Thomson Corp  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 2006 The Thomson Corp  
File 5:Biosis Previews(R) 1926-2010/Jan W2  
(c) 2010 The Thomson Corporation  
File 73:EMBASE 1974-2010/Jan 15  
(c) 2010 Elsevier B.V.  
File 155:MEDLINE(R) 1950-2009/Dec 09  
(c) format only 2009 Dialog

Set	Items	Description
S1	205753	(PATIENT? ? OR PATRON? ? OR OUTPATIENT? ? OR INPATIENT? ? OR PERSON?? OR INVALID? ? OR CASUALT??? OR USER? ?)(3N)(LOCATION?? OR AREA? ? OR ROOM? ? OR FLOOR? ? OR PLACE? ? OR LOCALITY?? OR DESTINATION? ? OR PLACE? ? OR POSITION?)
S2	11255	S1(16N)(TAG OR TAGS OR TAGS??? OR LABEL??? OR IDENTIFY??? OR IDENTIFIER? ? OR NUMBER??? OR NUMERIC? OR ALPHANUMERIC? OR CODE? ? OR CODING? ? OR TRACE? ? OR TRACING? ? OR TRACK??? OR FLAG? ? OR ID OR IDS OR RFID? ?)
S3	1232	S2(16N)(ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR PROPERTY?? OR TOOL? ? OR INVENTOR??? OR APPT? ? OR APPARATUS? OR MACHIN? OR INSTRUMENT? OR ITEM? ? OR UNIT? ? OR ACCESS()POINT? ?)
S4	8188	(S1 OR S2)(16N)(DEVICE? ? OR APPARATUS?? OR PDA? ? OR PERSONAL()DIGITAL()ASSISTANT? ? OR SMARTPHONE? ? OR PHONE? ? OR CELL?()PHONE? ? OR TELEPHONE? ? OR MICROCOMPUTER? ? OR MICROPROCESSOR? ? OR NOTEBOOK? ? OR NOTEPAD? ? OR PALM? ? OR ORGANIZER? ? OR PAGER? ? OR LAPTOP? ? OR TABLET()COMPUTER? ?)
S5	24391	S1(20N)(SERVER? ? OR NETWORK? ? OR HUB? ? OR MAINFRAME? ? OR MAIN()FRAME? ? OR GATEWAY? ? OR HOST??? OR FILESERVER? ? OR WEBSERVER? ? OR SYSTEM? ? OR PROCESSR? ?)

S6            2215    S1(20N) (DATABASE? ? OR DATABANK? ? OR DATATABLE? ? OR DATASET? ? OR  
 DATAFILE? ? OR KNOWLEDGE? ? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODS OR ODBC OR  
 (DATA OR KNOWLEDGE OR CENTRAL OR INFORMATION) ) (BASE? ? OR BANK? ? OR FILE? ? SET? ? OR  
 TABLE? ?))

S7            2156    (PATIENT? ? OR PATRON? ? OR USER? ?) (3N) (LOCATION?? OR ROOM? ? OR FLOOR?  
 ? OR PLACE? ?) (3N) (ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR MACHIN?)

S8            11255    S1 AND S2

S9            1232    S8 AND S3

S10           432    S9 AND S4

S11           188    S10 AND S5

S12           8    S11 AND S6

S13           1557    S1 AND S7

S14           117    S13 AND S2

S15           101    S14 AND S3

S16           70    S15 AND S4

S17           30    S16 AND S5

S18           4    S17 AND S6

S19           34    S12 OR S17 OR S18

S20           19    S19 NOT PY>2002

S21           18    RD    (unique items)

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

21/5,K/3 (Item 3 from file: 2)

DIALOG(R)File 2: INSPEC

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07957285

**Title:** The Cricket location-support system

**Author(s):** Priyantha, N.B.; Chakraborty, A.; Balakrishnan, H.

**Author Affiliation:** Lab. for Comput. Sci., MIT, Cambridge, MA , USA

**Book Title:** MobiCom 2000. Proceedings of the Sixth Annual International Conference on Mobile Computing and Networking

**Inclusive Page Numbers:** 32-43

**Publisher:** ACM, New York, NY

**Country of Publication:** USA

**Publication Date:** 2000

**Conference Title:** Proceedings of MobiCom 2000. Sixth Annual International Conference on Mobile Computing and Networking

**Conference Date:** 6-11 Aug. 2000

**Conference Location:** Boston, MA, USA

**Conference Sponsor:** ACM IEEE Commun. Soc. USENIX Assoc. IEE IEICE IPSJ KICS IFIP

**ISBN:** 1 58113 197 6

**U.S. Copyright Clearance Center Code:** 1 58113 197 6/2000/08...\$5.00

**Number of Pages:** xii+300

**Language:** English

**Document Type:** Conference Paper (PA)

**Treatment:** Application (A); General or Review (G)

**Abstract:** This paper presents the design, implementation, and evaluation of Cricket, a location-support system for in-building, mobile, location-dependent applications. It allows applications running on mobile and static nodes to learn their physical location by using listeners that hear and analyze information from beacons spread throughout the building. Cricket is the result of several design goals, including user privacy, decentralized administration, **network** heterogeneity, and low cost. Rather than explicitly **tracking user location**, Cricket helps **devices** learn where they are and lets them decide whom to advertise this information to; it does not rely on any centralized management or control and there is no explicit coordination between beacons; it provides information to devices regardless of their type of network connectivity; and each Cricket device is made from off-the-shelf components and costs less than USA \$10. We describe the randomized algorithm used by beacons to transmit information, the use of concurrent radio and ultrasonic signals to infer distance, the listener inference algorithms to overcome multipath and interference, and practical beacon configuration and positioning techniques that improve accuracy. Our experience with Cricket shows that several location-dependent applications such as in-building active maps and device control can be developed with little effort or manual configuration ( 21 refs.)

**Subfile(s):** B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

**Descriptors:** interference suppression; mobile computing; mobile radio; randomised algorithms; telecommunication control

**Identifiers:** Cricket location-support system; in-building applications; mobile applications; location-dependent applications; **user** privacy; decentralized administration; **network** heterogeneity; cost; randomized algorithm; beacons; radio signals; ultrasonic signals; listener inference; multipath interference; active maps; device control; positioning techniques

**Classification Codes:** B6210L (Computer communications); B6250F (Mobile radio systems); C5620 (Computer networks and techniques)

**INSPEC Update Issue:** 2001-024

**Copyright:** 2001, IEE

**Abstract:** ...the building. Cricket is the result of several design goals, including user privacy, decentralized administration, **network** heterogeneity, and low cost. Rather than explicitly **tracking user location**, Cricket helps **devices** learn where they are and lets them decide whom to advertise this information to; it...

**Identifiers:** Cricket location-support system; in-building applications; mobile applications; location-dependent applications; **user** privacy; decentralized administration; **network** heterogeneity; cost; randomized algorithm; beacons; radio signals; ultrasonic signals; listener inference; multipath interference; active maps...

Dialog eLink:

**USPTO Full Text Retrieval Options**

21/5.K/4 (Item 4 from file; 2)

DIALOG(R)File 2: INSPEC

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07559148

**Title:** RADAR: an in-building RF-based user location and tracking system

**Author(s):** Bahl, P.; Padmanabhan, V.N.

**Book Title:** Proceedings IEEE INFOCOM 2000. Conference on Computer Communications. Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies (Cat. No.00CH37064)

**Inclusive Page Numbers:** 775-84 vol.2

**Publisher:** IEEE, Piscataway, NJ

**Country of Publication:** USA

**Publication Date:** 2000

**Conference Title:** Proceedings IEEE INFOCOM 2000. Conference on Computer Communications. Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies

**Conference Date:** 26-30 March 2000

**Conference Location:** Tel Aviv, Israel

**Conference Sponsor:** IEEE Comput. Soc. IEEE Commun. Soc

**ISBN:** 0 7803 5880 5

**U.S. Copyright Clearance Center Code:** 0 7803 5880 5/2000/\$10.00

**Item Identifier (DOI):** [10.1109/INFCOM.2000.832252](https://doi.org/10.1109/INFCOM.2000.832252)

**Part:** vol.2

**Number of Pages:** 3 vol.(xxvi+1826)

**Language:** English

**Document Type:** Conference Paper (PA)

**Treatment:** Theoretical or Mathematical (T); Experimental (X)

**Abstract:** The proliferation of mobile computing devices and local-area wireless networks has fostered a growing interest in location-aware systems and services. In this paper we present RADAR, a radio-frequency (RF)-based system for locating and tracking users inside buildings. RADAR operates by recording and processing signal strength information at multiple base stations positioned to provide overlapping coverage in the area of interest. It combines empirical measurements with signal propagation modeling to determine **user location** and thereby enable location-aware services and applications. We present experimental results that demonstrate the ability of RADAR to estimate **user location** with a high degree of accuracy ( 24 refs.)

**Subfile(s):** B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

**Descriptors:** mobile computing; radio tracking; radiowave propagation; signal processing; wireless LAN

**Identifiers:** RADAR; in-building **tracking system**; RF-based **tracking system**; **user location**; mobile computing **devices**; local-area wireless **networks**; location-aware **systems**; signal strength processing; multiple base stations; overlapping coverage; signal propagation modeling

**Classification Codes:** B6210L (Computer communications); B6250 (Radio links and equipment); C5620L (Local area networks)

**INSPEC Update Issue:** 2000-014

**Copyright:** 2000, IEEE

**Title:** RADAR: an in-building RF-based user location and tracking system

**Abstract:** ...in the area of interest. It combines empirical measurements with signal propagation modeling to determine **user location** and thereby enable location-aware services and applications. We present experimental results that demonstrate the ability of RADAR to estimate **user location** with a high degree of accuracy

**Identifiers:** RADAR; in-building **tracking system**; RF-based tracking system; **user location**; mobile computing **devices** ; local-area wireless **networks**; location-aware **systems**; signal strength processing; multiple base stations; overlapping coverage; signal propagation modeling

21/5.K/6 (Item 6 from file: 2)

DIALOG(R)File 2: INSPEC

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06324855

**Title:** User interaction with machines on the move: location aware computing

**Author(s):** Nelson, G.J.

**Author Affiliation:** Comput. Lab., Cambridge Univ., UK

**Journal:** Computers in Industry , vol.29 , no.1-2 , pp.63-70

**Publisher:** Elsevier

**Country of Publication:** Netherlands

**Publication Date:** July 1996

**Conference Title:** 4th IEEE Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises (WET ICE '95)

**Conference Date:** 20-22 April 1995

**Conference Location:** Berkeley Springs, WV, USA

**Conference Sponsor:** IEEE Comput. Soc. ACM SIGOIS

**ISSN:** 0166-3615

**SICI:** 0166-3615(199607)29:1/2L.63:UIWM;1-B

**CODEN:** CINUD4

**U.S. Copyright Clearance Center Code:** 1080-1383/96/\$15.00

**Language:** English

**Document Type:** Conference Paper in Journal (PA)

**Treatment:** Practical (P)

**Abstract:** The aim of current mobile computing systems is to hide the network as far as possible from applications. This paper introduces location-aware computing, which makes details of the networked computing environment explicitly available to applications. Objects which move, such as people and equipment, are electronically tagged. Depending upon where a person is located and the capabilities of the machines around a person, the applications alter their behaviour. This automates tasks such as logging on and telephone re-routing. Applications automatically modify themselves to make best use of a person's nearby environment. Audit trails may be created, detailing the person's or object's movement, allowing time-and-motion studies to be conducted and the analysis of product movement efficiency within a factory. It is argued that a location-aware computing system must address the three main issues of information gathering, data structures and querying, and access control. Ideas within these areas are introduced and explained, and the concepts of 'co-location' and 'spheres of influence' are suggested as paradigms of person-machine interaction ( 14 refs.)

**Subfile(s):** C (Computing & Control Engineering); E (Mechanical & Production Engineering)

**Descriptors:** access control; computerised monitoring; factory automation; tracking; user interfaces; wireless LAN

**Identifiers:** user interaction; mobile machines; location-aware computing; mobile computing systems; networked computing environment; electronic tagging; active badges; application behaviour modification; automatic logon; telephone rerouting; automatically modifying applications; nearby environment; audit trails; object movement; time-and-motion studies; product movement efficiency; factory; information gathering; data structures; querying; access control; colocation; spheres of influence; man-machine interaction

**Classification Codes:** C6180 (User interfaces); C7420 (Control engineering computing); C7480 (Production engineering computing); C5620L (Local area networks); E0240C (Security aspects); E0410D (Industrial applications of IT)

**INSPEC Update Issue:** 1996-029

**Copyright:** 1996, IEE

**Title:** User interaction with machines on the move; location aware computing

**Identifiers:** user interaction; mobile machines; location-aware computing; mobile computing systems; networked computing environment; electronic tagging; active badges; application behaviour modification; automatic logon; telephone rerouting; automatically modifying applications; nearby environment; audit trails; object movement; time-and-motion studies; product...

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

21/5,K/14 (Item 5 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

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0011091046 IP Accession No: 200902-71-0435788; 200902-61-0436168; 20090425880; A09-99-0426604

**Access control system and method**

Buttross, Robert; Gore, Donn  
, USA

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

**Abstract:**

Access control devices are implemented at an access point of a plurality of remote properties. Each access control device has information unique to the access control device including the access control device unique identifier as well as a time determined, by an internal clock located at each access control

device. A user can obtain a generated electronic key by forwarding a requesting application to a key generation system. The key generation system will generate the key and return it to the user for input to the access control **device** at the user desired property. The requesting application may comprise a **property identifier** indicative of an access control **device** at the **user** desired **location**. When generating the electronic key, the key generation **system** executes an encryption algorithm to convert some of the information in the requesting application into cyphertext.

**Descriptors:** Access control; Devices; Electronics; Algorithms; Position (location); Clocks; Encryption  
**Subj Catg:** 71, General and Nonclassified; 61, Design Principles; 99, General

**Abstract:**

...generate the key and return it to the user for input to the access control **device** at the user desired property. The requesting application may comprise a **property identifier** indicative of an access control **device** at the **user** desired **location**. When generating the electronic key, the key generation **system** executes an encryption algorithm to convert some of the information in the requesting application into...

**Dialog eLink:**

**USPTO Full Text Retrieval Options**

21/5,K/17 (Item 8 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

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0009576387 IP Accession No: 200807-71-0864590; 200807-61-0965120; 20080830886; A08-99-0934822

**Method and system for searching an information retrieval system according to user-specified location information**

Anderson, David J; Busayapongchai, Senis  
, USA

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

**Abstract:**

A method and **system** for searching an information retrieval **system** for items of interest that are in proximity to geographical **locations** provided by the **user**. The information retrieval **system** can perform a search for specified types of businesses or items of interest that surround or are in close proximity to the **user's** present geographical location, or a geographical location that the user has pre-configured in a database. The system receives geographical **location** information concerning the **user's** **position** from

the wireless network carrier, which tracks the **location** of the **user's** mobile communications **device**. When the user desires to store a geographical location and geographical name for a future search, the information is entered into the pre-configured database. When conducting an information search at a later time, the user can narrow a search request to a geographical area in the vicinity of the stored geographical location.

**Descriptors:** Databases; Information retrieval; Intellectual property; Networks; Wireless communication; Conduction; Communication systems

**Subj Catg:** 71, General and Nonclassified; 61, Design Principles; 99, General

**Method and system for searching an information retrieval system according to user-specified location information**

#### **Abstract:**

A method and **system** for searching an information retrieval **system** for items of interest that are in proximity to geographical **locations** provided by the **user**. The information retrieval **system** can perform a search for specified types of businesses or items of interest that surround or are in close proximity to the **user's** present geographical location, or a geographical location that the user has pre-configured in a database. The system receives geographical **location** information concerning the **user's position** from the wireless network carrier, which tracks the **location** of the **user's** mobile communications **device**. When the user desires to store a geographical location and geographical name for a future...

#### **B. NPL Files, Full-text**

File 20:Dialog Global Reporter 1997-2010/Jan 14  
(c) 2010 Dialog  
File 15:ABI/Inform(R) 1971-2010/Jan 14  
(c) 2010 ProQuest Info&Learning  
File 610:Business Wire 1999-2010/Jan 15  
(c) 2010 Business Wire  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 613:PR Newswire 1999-2010/Jan 15  
(c) 2010 PR Newswire Association Inc  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 634:San Jose Mercury Jun 1985-2009/Dec 31  
(c) 2010 San Jose Mercury News  
File 624:McGraw-Hill Publications 1985-2010/Jan 15  
(c) 2010 McGraw-Hill Co. Inc  
File 9:Business & Industry(R) Jul/1994-2010/Jan 14  
(c) 2010 Gale/Cengage  
File 275:Gale Group Computer DB(TM) 1983-2010/Dec 10  
(c) 2010 Gale/Cengage  
File 621:Gale Group New Prod.Annou.(R) 1985-2010/Dec 02  
(c) 2010 Gale/Cengage  
File 636:Gale Group Newsletter DB(TM) 1987-2010/Dec 16



(c) 2010 Gale/Cengage  
 File 16:Gale Group PROMT(R) 1990-2010/Jan 15  
 (c) 2010 Gale/Cengage  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2010/Jan 15  
 (c) 2010 Gale/Cengage  
 File 471:New York Times Fulltext 1980-2010/Jan 15  
 (c) 2010 The New York Times  
 File 149:TGG Health&Wellness DB(5M) 1976-2010/Nov W4  
 (c) 2010 Gale/Cengage  
 File 444:New England Journal of Med. 1985-2010/Jan W2  
 (c) 2010 Mass. Med. Soc.

Set	Items	Description
S1	617874	(PATIENT? ? OR PATRON? ? OR OUTPATIENT? ? OR INPATIENT? ? OR PERSON?? OR INVALID? ? OR CASUALT??? OR USER? ?)(3N)(LOCATION?? OR AREA? ? OR ROOM? ? OR FLOOR? ? OR PLACE? ? OR LOCALITY?? OR DESTINATION? ? OR PLACE? ? OR POSITION?)
S2	47844	S1(16N)(TAG OR TAGS OR TAGG??? OR LABEL??? OR IDENTIFY??? OR IDENTIFIER? ? OR NUMBER??? OR NUMERIC? OR ALPHANUMERIC? OR CODE? ? OR CODING? ? OR TRACE? ? OR TRACING? ? OR TRACK??? OR FLAG? ? OR ID OR IDS OR RFID? ?)
S3	6679	S2(10N)(ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR PROPERTY?? OR TOOL? ? OR INVENTOR??? OR APPT? ? OR APPARATUS? OR MACHIN? OR INSTRUMENT? OR ITEM? ? OR UNIT? ? OR ACCESS()POINT? ?)
S4	51147	(S1 OR S2)(16N)(DEVICE? ? OR APPARATUS?? OR PDA? ? OR PERSONAL()DIGITAL()ASSISTANT? ? OR SMARTPHONE? ? OR PHONE? ? OR CELL?()PHONE? ? OR TELEPHONE? ? OR MICROCOMPUTER? ? OR MICROPROCESSOR? ? OR NOTEBOOK? ? OR NOTEPAD? ? OR PALM? ? OR ORGANIZER? ? OR PAGER? ? OR LAPTOP? ? OR TABLET()COMPUTER? ?)
S5	125247	S1(20N)(SERVER? ? OR NETWORK? ? OR HUB? ? OR MAINFRAME? ? OR MAIN()FRAME? ? OR GATEWAY? ? OR HOST??? OR FILESERVER? OR WEBSERVER? OR SYSTEM? ? OR PROCESS?R? ?)
S6	9097	S1(20N)(DATABASE? ? OR DATABANK? ? OR DATATABLE? ? OR DATASET? ? OR DATAFILE? ? OR KNOWLEDGEBASE? ? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODS OR ODBC OR (DATA OR KNOWLEDGE OR CENTRAL OR INFORMATION)() (BASE? ? OR BANK? ? OR FILE? ? SET? ? OR TABLE? ?))
S7	13616	(PATIENT? ? OR PATRON? ? OR USER? ?)(3N)(LOCATION?? OR ROOM? ? OR FLOOR? ? OR PLACE? ?)(3N)(ASSET? ? OR DEVICE? ? OR EQUIPMENT?? OR MACHIN?)
S8	47844	S1(5N)S2
S9	6679	S8(5N)S3
S10	2640	S9(5N)S4
S11	2644	S9(10N)S4
S12	960	S11(5N)S5
S13	963	S11(20N)S5
S14	21	S13(5N)S6
S15	9247	S1(5N)S7
S16	9324	S1(20N)S7
S17	1227	S16(5N)S2
S18	1228	S16(20N)S2
S19	1217	S18(5N)S3
S20	587	S19(5N)S4
S21	206	S20(5N)S5
S22	9	S21(10N)S6
S23	21	S14 OR S22

S24 11 S23 NOT PY>2002  
S25 8 RD (unique items)

**Dialog eLink:** **USPTO Full Text Retrieval Options**

25/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02030369 54854991

**Emerging mobile and wireless networks**

Varshney, Upkar; Vetter, Ron

Association for Computing Machinery. Communications of the ACM v43n6 pp: 73-81

Jun 2000

ISSN: 0001-0782 **Journal Code:** GACM

**Word Count:** 4122

**Text:**

...the network. Most of the additional complexity is introduced in the device as neither wireless **networks** are modified nor interworking devices are employed. Each individual network can deploy a database that keeps **track of user locations, device capabilities, network conditions, and user preferences**. The **location** information will be needed to complete calls to the user, for alerting services, and to...

25/3,K/2 (Item 1 from file: 9)

DIALOG(R)File 9: Business & Industry(R)

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02364955 Supplier Number: 24730473 **(USE FORMAT 7 OR 9 FOR FULLTEXT)**

**LAN connections key to wireless**

( About 50% of all Internet access may be via wireless devices by 2002, according to International Data; IGI Consulting says number of wireless devices accessing Internet will reach 830 mil by 2005 )

Electronic Engineering Times , p 82

January 22, 2001

**Document Type:** Journal **ISSN:** 0192-1541 ( United States )

**Language:** English **Record Type:** Fulltext

**Word Count:** 1410 **(USE FORMAT 7 OR 9 FOR FULLTEXT)**

**TEXT:**

...multiple access points.

As part of its job, the MIS manages and optimizes the wireless **network** connections, ensures secure access, provides service management for individual **users** and **tracks** the **location** of client **devices** to deliver location-dependent services. In effect, the MIS combines three logical nodes into one: a home **database** node (comparable to the home location register in the cellular world), a serving and control...

25/3,K/5 (Item 3 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01449887 **Supplier Number:** 11153733 (Use Format 7 Or 9 For FULL TEXT )

**Maximum Mac management. (Software Review ) (four network management software packages for Apple Macintosh)(includes related articles on future products, version tracking programs) (evaluation)**

Rizzo, John

MacUser , v7 , n10 , p183(8)

Oct , 1991

**Document Type:** evaluation

ISSN: 0884-0997

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 4162 **Line Count:** 00316

...4D, and DIF (a DOS format). You can add non-network user information to the **data-base**, such as user **phone numbers**, purchase dates, and **equipment** prices. You can even add graphic data, such as photographs of **users** and **floor** plans.

CGS offers a version of **Network** Super-Visor that doesn't include the **database** manager. SuperVisor Jr. (\$249) offers increased speed and ease of use in return for its...

25/3,K/6 (Item 4 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01225836   **Supplier Number:** 07084835  
**Northern net platform bows. (Northern Telecom Inc.) (product announcement)**

Horwitt, Elisabeth  
Computerworld , v22 , n44 , p53(1)  
Oct 31 , 1988  
**Document Type:** product announcement  
ISSN: 0010-4841  
**Language:** ENGLISH   **Record Type:** ABSTRACT

**Abstract:** ...can be linked and multiple DNS nodes can be linked over local or long distance **networks**. The **location** of **users, devices** and applications are **tracked** on a central relational database management **system**, which also contains data collected by the Meridian DNS network management system providing real-time...

**Abstract:**

25/3,K/7 (Item 1 from file: 16)  
DIALOG(R)File 16: Gale Group PROMT(R)  
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02759384   **Supplier Number:** 43697973 **(USE FORMAT 7 FOR FULLTEXT)**

#### **WEARABLE INFOSTATIONS**

Electronic Engineering Times , p 48  
March 8 , 1993  
**Language:** English   **Record Type:** Fulltext  
**Document Type:** Magazine/Journal ; Trade  
**Word Count:** 1510

...to and receiving data from remote databases or servers.

In addition, there may be a **number** of stationary **devices** necessary for providing infrastructure. They could include position-sensing **units** for detecting the **location** of the **user** within a geographic **area**, **servers** that perform tasks requiring more resources than available in a wearable format, and centralized **databases**, necessary to maintain up-to-date information when information employed by the user is subject...

## **V. Additional Resources Searched**

[Insert]